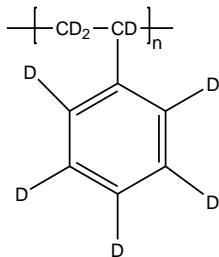


Sample Name: **Deuterated Poly(styrene-d8)**

Sample #: **P43291F-dPS**

Structure:



Composition:

| | |
|----------------------|------|
| Mn x 10 ³ | PDI |
| 113.5 | 1.21 |

Synthesis Procedure:

Deuterated polystyrene-d₈ is obtained by free radical polymerization process.

Characterization:

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and UV light scattering detectors from Viscotek Co. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used.

Solubility:

Deuterated polystyrene-d₈ is soluble in DMF, THF, toluene and CHCl₃. It precipitates from methanol, ethanol, water, and hexanes.

SEC elugram of Homopolymer:

